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(71) Applicant (for all designated States except US): **AIRBUS
DEUTSCHLAND GMBH** [DE/DE]; Kreetslag 10, 21129
Hamburg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SOLNTSEV,
Alexander** [DE/DE]; Am Mühlenbach 15, 22115 Ham-
burg (DE). **BAMMANN, Holger** [DE/DE]; Jahnstrasse
91, 21614 Buxtehude (DE).

(74) Agent: **BEYER, Andreas**; Wuesthoff & Wuesthoff,
Schweigerstrasse 2, 81541 München (DE).

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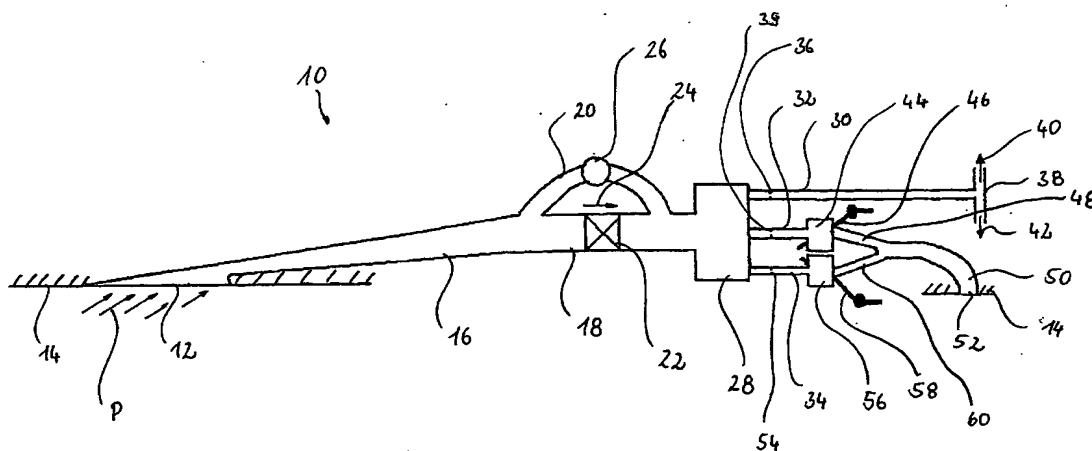
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(54) Title: **COOLING AIR SUPPLY FOR THE COOLING OF DIFFERENT SYSTEMS REQUIRING COOLING AIR IN AN
AIRCRAFT**



(57) Abstract: A cooling air supply system (10) for an aircraft in order to supply cooling air from the aircraft surrounds to at least two devices requiring cooling air (38, 44, 56) within the aircraft, is designed with an air inlet (12), an air channel (16) communicating with the air inlet (12) and with an air distribution device (30, 32, 34) for the distribution of air to at least two devices requiring cooling air (38, 44, 56), whereby the air inlet (12) is proportioned in such a way that it covers the maximum cooling air requirement of at least two devices requiring cooling air (38, 44, 56).